

FILE COVERS 1964 TO 22 Jan 2003 (20030122/ED)

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CAUTION: Some displays of the LT field are extremely long. Enter NEWS FILE at the arrow prompt for more information.

The Indexing Template (TD) field is available for some records starting with 940901/ED. Enter HELP TEMPLATE at an arrow prompt (=>) for information on how to use this field.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s hydrodewaxing/ct

L1 479 HYDRODEWAXING/CT

=> s (catalyst (l) zsm-50 zeolite (l) phosphorus (l) (nickel or cobalt) (l) (molybdenum or tungsten))/lt

100961 CATALYST/LT

63 ZSM-50 ZEOLITE/LT

17390 PHOSPHORUS/LT

22475 NICKEL/LT

18138 COBALT/LT

16374 MOLYBDENUM/LT

9212 TUNGSTEN/LT

L2 0 (CATALYST (L) ZSM-50 ZEOLITE (L) PHOSPHORUS (L) (NICKEL OR COBALT) (L) (MOLYBDENUM OR TUNGSTEN))/LT

=> s (catalyst (l) zsm-50 zeolite (l) phosphorus)/lt

100961 CATALYST/LT

63 ZSM-50 ZEOLITE/LT

17390 PHOSPHORUS/LT

L3 7 (CATALYST (L) ZSM-50 ZEOLITE (L) PHOSPHORUS)/LT

=> d 1-7

L3 ANSWER 1 OF 7 ENCOMPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION INC.

AN 2001:6400 ENCOMPAT;ENCOMPAT2

DN P200108921

TI Process for the production of gasolines of improved octane index by successive operations of hydroisomerisation, separation of isoparaffins and isomerization

IN BENAZZI E; BIGEARD P; CSERI T; MARCHAL-GEORGES N; BIGEARD P H

PA INST FRANCAIS DU PETROLE

PI EP 1088879 20010404

DS AL; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LT; LU; LV; MC; MK; NL; PT; RO; SE; SI

AI EP 2000-402632 20000922

PRAI FR 1999-12337 19990930

OS DERWENT 2001228378

LA French

L3 ANSWER 2 OF 7 ENCOMPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION INC.

AN 2001:3687 ENCOMPAT;ENCOMPAT2

DN. P200105248  
 TI Production of base oil from hydrocarbon charging material, involves performing simultaneous hydrogenation and isomerization of charging material and contact deparaffination of the effluent under specific conditions  
 PA INST FRANCAIS DU PETROLE  
 PI JP 2000345170 20001212  
 AI JP 2000-132785 20000501  
 PRAI FR 2000-2364 20000224  
 FR 1999-5494 19990429  
 OS DERWENT 2001129394

L3 ANSWER 3 OF 7 ENCOMPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION INC.  
 AN 2001:2301 ENCOMPAT;ENCOMPAT2  
 DN P200103332  
 TI Production of oils and middle distillates, useful as lubricants, involves successive conversion of hydrocarbons by hydroisomerization and catalytic deparaffination  
 IN BENAZZI E; CSERI T; GUERET C; MARCHAL G N; MARION P  
 PA INST FRANCAIS DU PETROLE  
 PI FR 2792945 20001103  
 AI FR 1999-5494 19990429  
 PRAI FR 1999-5494 19990429  
 OS DERWENT 2001073431

L3 ANSWER 4 OF 7 ENCOMPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION INC.  
 AN 2001:600 ENCOMPAT;ENCOMPAT2  
 DN P200100894  
 TI Base oil and middle distillate production comprises successive conversions of hydro-isomerization and catalytic deparaffination  
 IN BENAZZI E; CSERI T; GUERET C; KASZTELAN S; MARCHAL G N; MARION P  
 PA INST FRANCAIS DU PETROLE  
 PI FR 2792946 20001103  
 AI FR 1999-5496 19990429  
 PRAI FR 1999-5496 19990429  
 OS DERWENT 2001001274

L3 ANSWER 5 OF 7 ENCOMPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION INC.  
 AN 1999:13485 ENCOMPAT;ENCOMPAT2  
 DN 9913005  
 TI Improving catalytic activity of small and medium pore acidic zeolite catalysts useful in hydrocarbon cracking  
 IN CAO G; CHEN T; MARTENS L R M; SHAH M J; WHITE J L  
 PA EXXON CHEM PATENTS INC  
 PI WO 9946043 19990916  
 DS AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; UZ; VN; YU; ZW; AT; BE; CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE; IT; KE; LS; LU; MC; MW; NL; OA; PT; SD; SE; SL; SZ; UG; ZW  
 AI WO 1999-US5059 19990309  
 PRAI US 1998-38649 19980311  
 OS DERWENT 99571703  
 LA English

L3 ANSWER 6 OF 7 ENCOMPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION INC.  
 AN 93:4511 ENCOMPAT;ENCOMPAT2  
 DN 9315343  
 TI Reclaiming-thermoset polymer e.g. polyester resin, for chemical intermediates - by heating in presence of zeolite-contg. particulate catalyst, yielding volatile lower molecular wt. organic cpds. for solvent or fuel and reusable filler

IN. COZZONE G E; GAFFNEY A M; JONES C A; LEYSHON D W; SOFRANKO A  
PA ARCO CHEM TECHNOLOGY LP  
PI US 5192809 930309  
AI US 1992-860638 920330  
PRAI US 1992-860638 920330  
OS DERWENT 93100362

L3 ANSWER 7 OF 7 ENCOMPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION  
INC.  
AN 89:4335 ENCOMPAT;ENCOMPAT2  
DN 8911322  
TI Enhancing ion exchange capacity of a titanicsilicate - without enhancing  
its acid activity, by treatment with aq. alkaline soln  
PA Mobil Oil Corp  
PI US 4828812 890509  
PRAI US 1987-138972 871229  
OS DERWENT 89165139

=> s (catalyst (l) zeolite (l) phosphorus (l) (nickel or cobalt) (l) (molybdenum or tungsten))/lt

100961 CATALYST/LT  
16232 ZEOLITE/LT  
17390 PHOSPHORUS/LT  
22475 NICKEL/LT  
18138 COBALT/LT  
16374 MOLYBDENUM/LT  
9212 TUNGSTEN/LT

L4 135 (CATALYST (L) ZEOLITE (L) PHOSPHORUS (L) (NICKEL OR COBALT) (L)  
(MOLYBDENUM OR TUNGSTEN))/LT

=> s l1 and l4

L5 10 L1 AND L4

=> d 1-10

L5 ANSWER 1 OF 10 ENCOMPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION  
INC.  
AN 1999:11672 ENCOMPAT;ENCOMPAT2  
DN 9912777  
TI Dewaxing of hydrocarbon feedstocks  
IN HOWELL R L; ROSENBAUM J M  
PA CHEVRON USA INC  
PI WO 9929810 19990617  
DS AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE;  
ES; FI; GB; GE; GH; GM; HR; HU; ID; IL; IS; JP; KE; KG; KP; KR; KZ; LC;  
LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU;  
SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; UZ; VN; YU; ZW; AT; BE;  
CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE; IT; KE; LS; LU; MC;  
MW; NL; OA; PT; SD; SE; SZ; UG; ZW  
AI WO 1998-US26112 19981209  
PRAI US 1997-988287 19971210  
OS DERWENT 99518207  
LA English

L5 ANSWER 2 OF 10 ENCOMPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION  
INC.  
AN 92:3141 ENCOMPAT;ENCOMPAT2  
DN 9210907  
TI New SM-3 silico-alumino-phosphate zeolite(s) - useful in hydrocracking and  
dewaxing catalysts  
PA Chevron Research Co  
PI US 5087347 920211  
PRAI US 1990-550937 900711  
OS DERWENT 92072113

L5 ANSWER 3 OF 10 ENCOMPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION

INC.  
AN 91:7000 ENCOMPPAT;ENCOMPPAT2  
DN 9112273  
TI Catalyst compsn. - comprises gallio-silicate molecular sieve having zeolite L structure, useful for conversion of hydrocarbon(s)  
PA Union Oil Co California  
PI US 5035868 910730  
PRAI US 1989-458351 891228  
OS DERWENT 91245420

L5 ANSWER 4 OF 10 ENCOMPPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION INC.  
AN 91:1370 ENCOMPPAT;ENCOMPPAT2  
DN 9110490  
TI De-waxing of gas oils and kerosene(s) - by use of a crystalline synthetic zeolite of a ferri silicate type  
PA Institut Francais Du Petrole Des Car  
PI EP 404666 901227  
DS AT; BE; DE; ES; FR; GB; IT; NL  
PRAI FR 1989-8358 890621  
OS DERWENT 91001669

L5 ANSWER 5 OF 10 ENCOMPPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION INC.  
AN 91:64 ENCOMPPAT;ENCOMPPAT2  
DN 9110037  
TI Catalytic dewaxing of a hydrocarbon feedstock - using a catalyst containing a selected silico alumino-phosphate molecular sieve and a hydrogenation component  
PA UOP Inc  
PI US 4960504 901002  
PRAI US 1988-158667 880222  
OS DERWENT 90319746

L5 ANSWER 6 OF 10 ENCOMPPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION INC.  
AN 89:3168 ENCOMPPAT;ENCOMPPAT2  
DN 8911052  
TI Catalyst contg. nickel oxide and cracking component - esp. Y zeolite, is useful in gas oil hydrocracking, giving gasoline fractions of increased octane number  
PA Union Oil Co California  
PI US 4816538 890328  
PRAI US 1987-81472 870804  
OS DERWENT 89113939

L5 ANSWER 7 OF 10 ENCOMPPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION INC.  
AN 86:2162 ENCOMPPAT;ENCOMPPAT2  
DN 8611823W  
TI DEWAXING PROCESS USING CATALYST CONTG. NON ZEOLITIC MOLECULAR SIEVE - AND OPT. HYDROGENATION COMPONENT, ACTIVE ALUMINOSILICATE ZEOLITE, AND INORGANIC OXIDE MATRIX  
PA UNION CARBIDE CORP  
PI WO 8603770  
DS AU; JP  
PRAI US 1984-682942 841218  
OS DERWENT 86182904,

L5 ANSWER 8 OF 10 ENCOMPPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION INC.  
AN 86:2161 ENCOMPPAT;ENCOMPPAT2  
DN 8611823U  
TI DEWAXING PROCESS USING CATALYST CONTG. NON ZEOLITIC MOLECULAR SIEVE - AND OPT. HYDROGENATION COMPONENT, ACTIVE ALUMINOSILICATE ZEOLITE, AND INORGANIC OXIDE MATRIX  
PA UNION CARBIDE CORP

PI. WO 8603770  
DS. AU; JP  
PRAI US 1984-682942 841218  
OS. DERWENT 86182904

L5 ANSWER 9 OF 10 ENCOMPPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION INC.  
AN 86:2159 ENCOMPPAT;ENCOMPPAT2  
DN 8611822  
TI HYDROCRACKING, USING CATALYST CONTG. SILICO ALUMINO-PHOSPHATE - MOLECULAR SIEVE, HYDROGENATION COMPONENT, AND OPT. ZEOLITE, GIVES INCREASED ISON RATIO AND RESEARCH OCTANE NUMBER IN GASOLINE PROD  
PA UNION CARBIDE CORP  
PI WO 8603694  
DS AT; BE; CH; DE; FR; GB; IT; LU; NL; SE; AU; FI; JP  
PRAI US 1984-682946 841218  
OS DERWENT 86182850

L5 ANSWER 10 OF 10 ENCOMPPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION INC.  
AN 86:2071 ENCOMPPAT;ENCOMPPAT2  
DN 8611719  
TI CATALYTIC DEWAXING OF HYDROCARBON FEEDS - USING SILICO-ALUMINO-PHOSPHATE ZEOLITE CATALYST  
PA UNION CARBIDE CORP  
PI EP 185329  
DS AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE  
PRAI US 1984-683246 841218  
OS DERWENT 86163348

=> d ab 1

L5 ANSWER 1 OF 10 ENCOMPPAT COPYRIGHT 2003 ELSEVIER ENGINEERING INFORMATION INC.  
AB NOVELTY - Two stage process with fractionation, in which the bottoms fraction is recycled to the feedstock, increased yield and pour point reduction in dewaxing of lube oils. DETAILED DESCRIPTION - Conversion of hydrocarbon oil involves: (a) contacting a hydrocarbon oil feedstock in the presence of added hydrogen gas with catalyst system comprising intermediate pore size silicoaluminophosphate mol. sieve and hydrogenation component, with at least part of the feedstock being converted, (b) passing at least part of the converted feedstock to a fractionation to produce at least one overhead fraction and one bottoms fraction and (c) mixing at least part of the bottoms fraction with the hydrocarbon oil feedstock. An INDEPENDENT CLAIM is included for the dewaxing of the hydrocarbon oil using the above process. USE - For use in dewaxing of lube oil feedstocks. ADVANTAGE - Increases yield and/or reduces pour point and/or viscosity of dewaxed lube oils or middle distillates. Dwg (40pp Dwg.No.1/1)